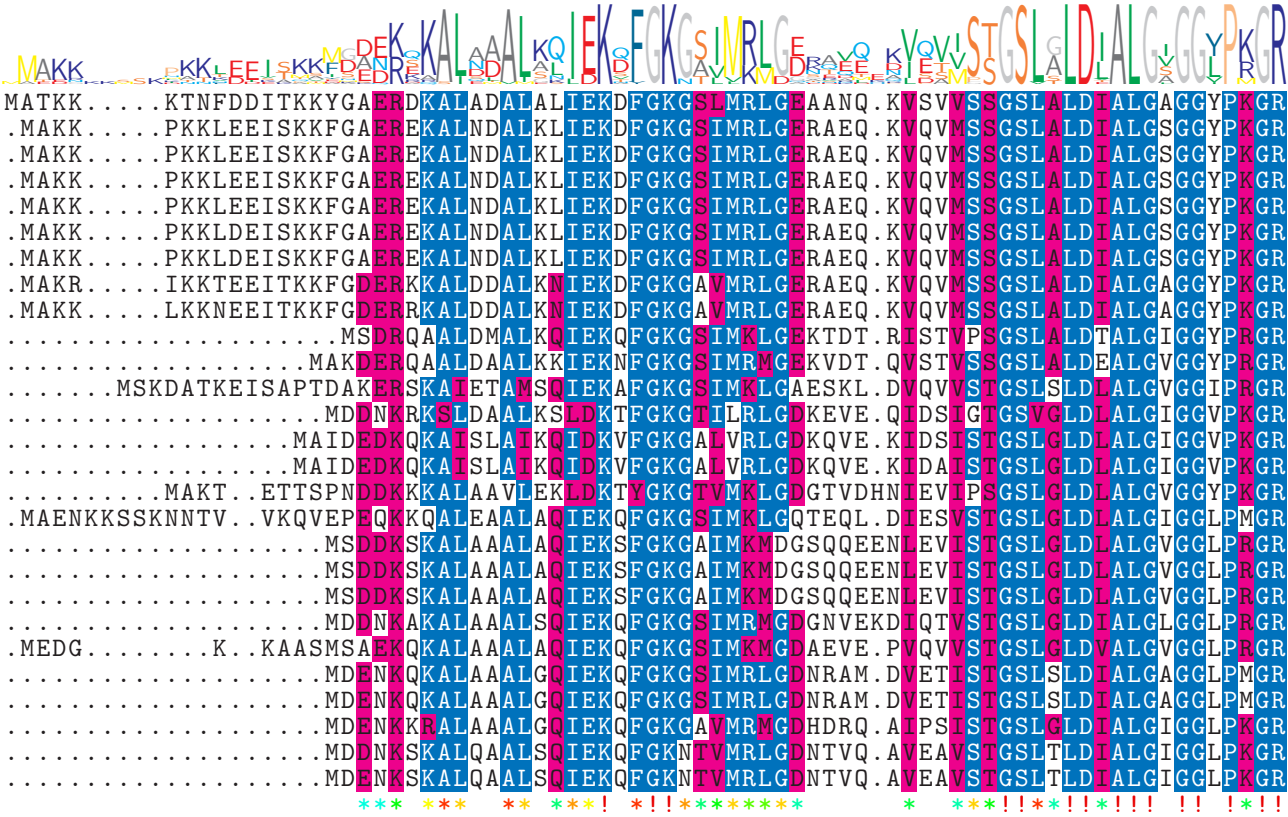


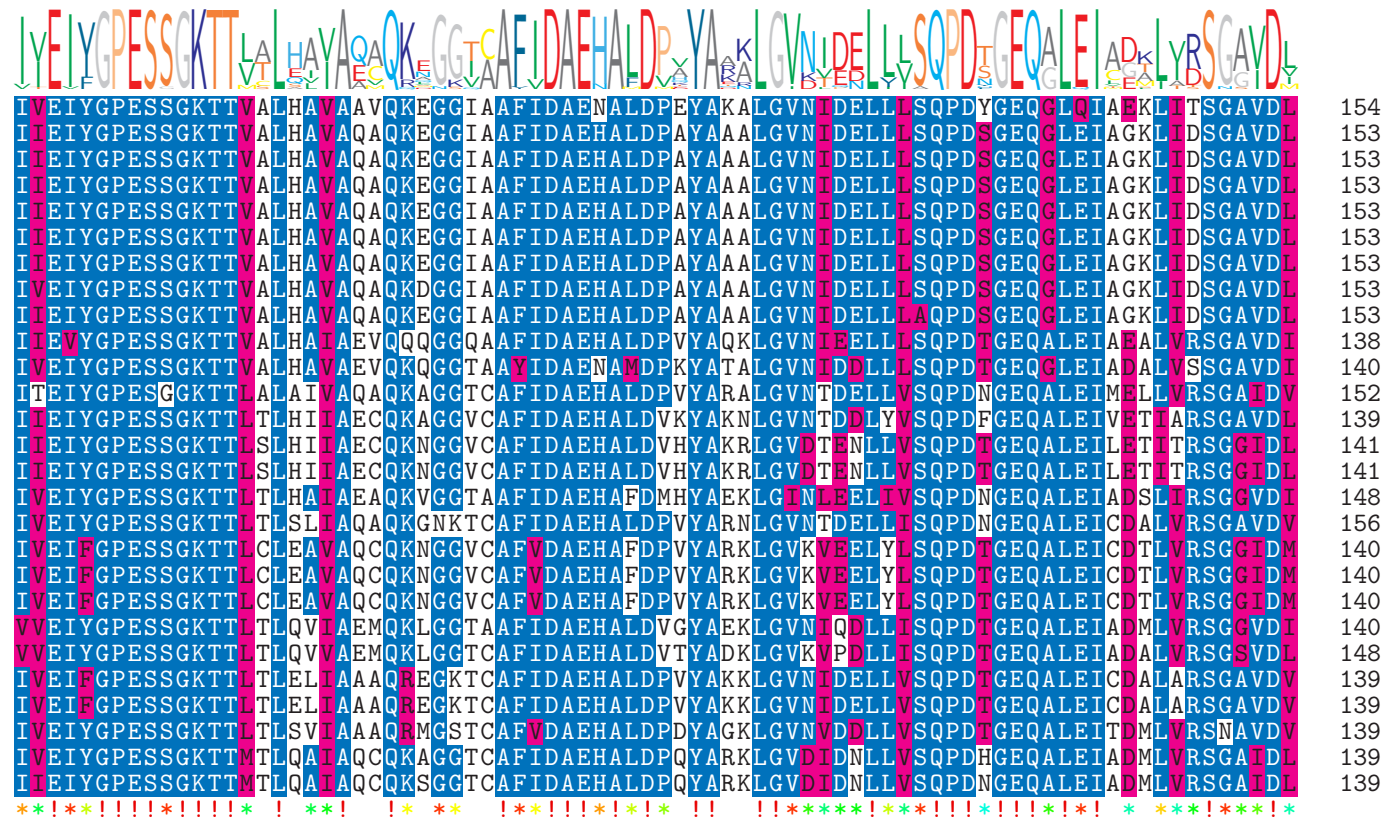
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NTDB id 1074 ABD1 RS10195 WP 000344167.1  
consensus



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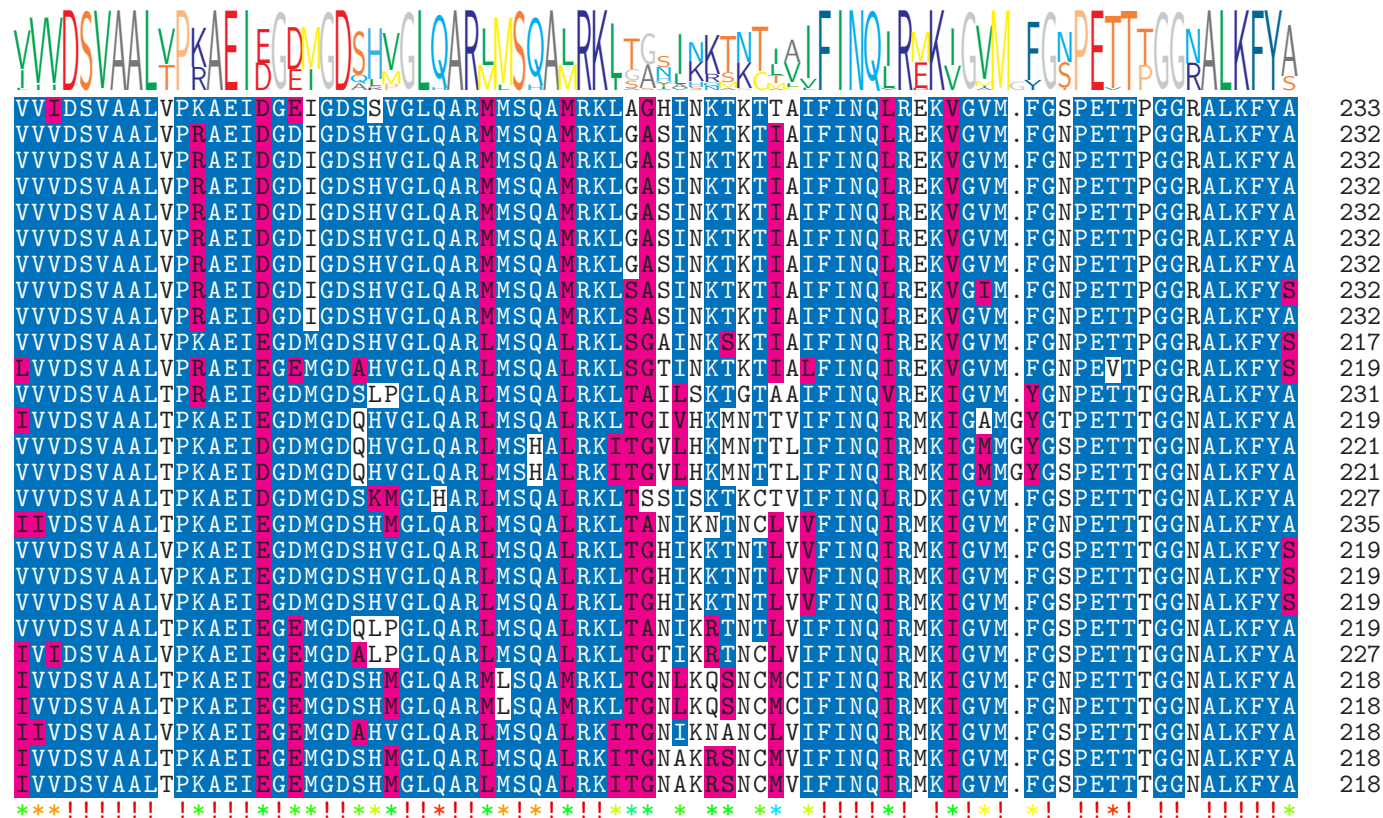
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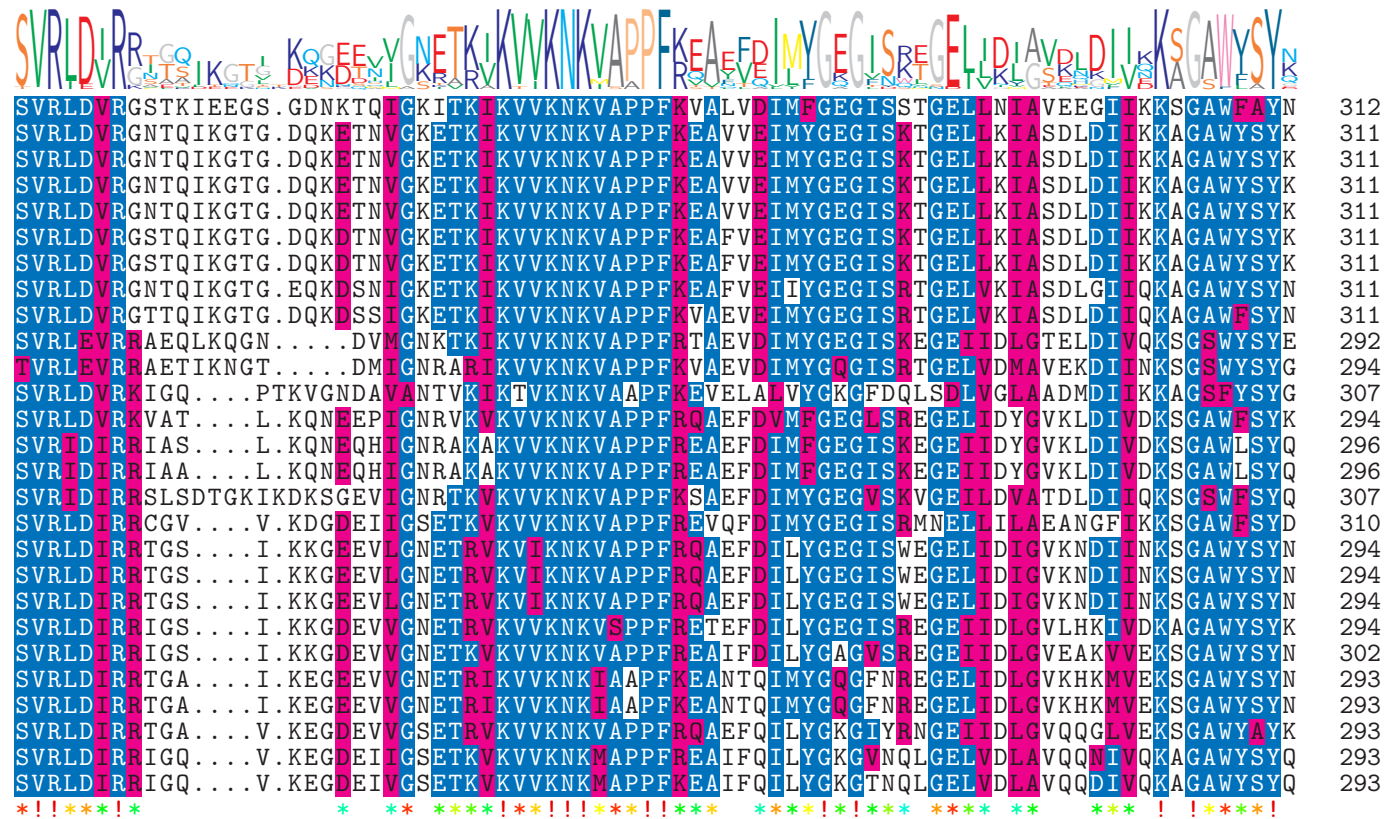
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|---------------------------------------------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------------------|--------------------------------|-----|
| NTDB id 600 KW2 RS01765 WP 011675413.1      | DEKIGQGA                        | EKAKNYLKEHQDV                     | DEIDHKVRAAHG                       | LDDSEVAETEEETTA                           | .SKTKAKAKKEEKAVETEEIELELED.... | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1    | DEKIGQGS                        | ENAKKYLAEHPEIF                    | DEIDKQVRSKFGL                      | IDGEEVSEQDTENKK                           | .DE....PKKEEA..VNEEVPLDLGDELEI | 384 |
| NTDB id 228 SPD RS09265 WP 001085462.1      | DEKIGQGS                        | ENAKKYLAEHPEIF                    | DEIDKQVRSKFGL                      | IDGEEVSEQDTENKK                           | .DE....PKKEEA..VNEEVPLDLGDELEI | 384 |
| NTDB id 194 SPR RS08825 WP 001085462.1      | DEKIGQGS                        | ENAKKYLAEHPEIF                    | DEIDKQVRSKFGL                      | IDGEEVSEQDTENKK                           | .DE....PKKEEA..VNEEVPLDLGDELEI | 384 |
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| NTDB id 499 SM12261 RS08315 WP 078228268.1  | DEKIGQGS                        | ENAKKYLAADNPEIF                   | DEIDHQVRVQFGL                      | IDGEEIAES....KK                           | .DE....AAQVDS..VNEEVTLDLGDELEI | 380 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1  | DEKIGQGS                        | ENAKKYLAADNPEVFAE                 | IDHQVRVQFGL                        | IDGEEAAES....KK                           | .DE....VAQVDS..VNEEVTLDLGDELEI | 380 |
| NTDB id 408 SMU RS09530 WP 002262392.1      | GEKIGQGS                        | ENAKKFLADNPEIF                    | DDIDHKVRVQYGL                      | IEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIEL |                                | 381 |
| NTDB id 453 Spy49 1753c ACI62003.1          | GEKIGQGS                        | ENAKRYLADHPQLF                    | DEIDRKVRVKFGL                      | LEESEESAMAVASE.....E.....TDDLALDLNGIEI    |                                | 376 |
| NTDB id 115 BSU 16940 NP 389576.2           | EERLGGG                         | RENAKQFLKENKDIMLMIQE              | IREHYGLDNNGVVQQAEETQE              | .EL.EFE.E.....                            |                                | 348 |
| NTDB id 625 LCA RS02525 WP 011374196.1      | SERIGQG                         | RENAKNYLADHEDVE                   | DEVRLKVRAAYGIS                     | SDVPEEDLPTTEDE..QI.NILPDDST.....EE.....   |                                | 355 |
| NTDB id 1313 DR RS12030 WP 010888966.1      | DERIGQG                         | KEKTIAYIAERPEMEQE                 | IRDRVMAAIRAGNAGEAPALAPAPAAP        | EAAEA.....                                |                                | 363 |
| NTDB id 1245 Cj1673c YP 002345041.1         | DKKLGGG                         | RENSKAFLENPEIADEITKAIQNSMG        | IEGMIS..GSEDDEG..EE.....           |                                           |                                | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1    | DKKLGGG                         | RENAKALLKEDKALADEITLKIKESIGS      | NEEIM..PLPDEPL..EEME.....          |                                           |                                | 347 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1     | DKKLGGG                         | RENAKALLKEDKALADEITLKIKESIGS      | NEEIM..PLPDEPL..EEME.....          |                                           |                                | 347 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1    | DTKLGGG                         | RDITVKELIKDNPELAEELEAKIREKLQAK    | .....                              |                                           |                                | 343 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1   | GTKIGQG                         | KNNAVKWLKENPEIADKLEQEIRNTLAS      | NPNSV..LKATASDSN                   | DES                                       | DVEEF.....SEEEL.....           | 372 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1    | GAKIGQG                         | KDNVRVWLKENPEISDEIDAKIRALNGVEMHIT | ..EGT.....QDET                     | DGER.....PEE.....                         |                                | 348 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1    | GAKIGQG                         | KDNVRVWLKENPEISDEIDAKIRALNGVEMHIT | ..EGT.....QDET                     | DGER.....PEE.....                         |                                | 348 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1   | GAKIGQG                         | KDNVRVWLKENPEISDEIDAKIRALNGVEMHIT | ..EGT.....QDET                     | DGER.....PEE.....                         |                                | 348 |
| NTDB id 56730 AZKH RS21430 WP 015437899.1   | GDKIGQG                         | KDNTREFLRANPALAREIENRVRVAVGLKEMPV | ..EAEPP.QASQAA.....                |                                           |                                | 345 |
| NTDB id 1427 RS RS02760 WP 011000510.1      | GERIGQG                         | RDNCREFLRNAELAREIENKVREHLGV       | TPMGA..VTLAE.EVEED.....            |                                           |                                | 352 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | GDKIGQG                         | KANACKYLLKENPEIAKTLDDKKLREMLLN    | PENMQ..LIAETSSAAD                  | DVEFGAV.....PEEF.....                     |                                | 354 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1   | GDKIGQG                         | KANACKYLLKENPEIAKTLDDKKLREMLLN    | PENMQ..LIAETSSAAD                  | DVEFGAV.....PEEF.....                     |                                | 354 |
| NTDB id 1205 PSJM300 05545 AFN77183.1       | GSKIGQG                         | KANAACKYLEENPEIGQIEEQ             | IRAKLLVTSANT..KATPVAEDLADADI.....  |                                           |                                | 347 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1   | GNKIGQG                         | KNNVIRYLEENPQISTEIEAVIREQLLT      | TKASDQ..TAA.HDETEEPDLL.....ES..... |                                           |                                | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1    | GNKIGQG                         | KNNVIRYFEENNQIAEEIERNIREQLLT      | TGTNG..AVQ.I.EDEEPDLL.....LES..... |                                           |                                | 349 |
| consensus                                   | **!!!***** ** ***** ***** ** ** |                                   |                                    |                                           |                                | **  |

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